

Statewide Measures Adopted

Zero-Emission Airport Shuttle Buses

Lower In-Use Emission Performance

Not Included in 2016 State Strategy

Not Included in 2016 State Strategy

Not Included in 2016 State Strategy

State Strategy Measures to be Adopted

Advanced Clean Cars 2

Low-NOx Engine Standard – California Action

Innovative Clean Transit

Last Mile Delivery

Zero-Emission Off-Road Forklift Regulation Phase 1

Zero-Emission Airport Ground Support Equipment

Small Off-Road Engines

Low-Emission Diesel Requirement

Consumer Products Program

CARB Rule	2023 Reductions in South Coast		In SIP?
	NOx	VOC	
Zero-Emission Airport Shuttle Buses	<0.01		no
Control System Warranty Regulation Amendments	0.02		no
Portable Equipment Registration Program Regulation	0.25		yes?
Low Carbon Fuel Standard and Alternative Diesel Fuels	1.7		no
Crude Oil and Natural Gas Facilities		yes?	no

CARB Rule	NOx	VOC	
Advanced Clean Cars 2	-	-	20
Low-NOx Engine Standard – California Action	-	-	
Innovative Clean Transit	<0.1	<0.1	
Last Mile Delivery	<0.1	<0.1	
Zero-Emission Off-Road Forklift Regulation Phase 1	-	-	
Zero-Emission Airport Ground Support Equipment	<0.1	<0.1	
Small Off-Road Engines	0.7	7	20
Low-Emission Diesel Requirement	0.3	NYQ	
Consumer Products Program	0	1-2	20

Hearing Date	Comment
2/21/2019	<0.01 benefit in CV
	<0.01 benefit in CV
last amended in 2010?	<0.01 benefit in CV
4/27/2018	possibly 0.1 - 0.2 tpd reductions in 2027?
7/21/16, 3/23/17	already in baseline? ISOR indicates 3,627 tpy VOC reduction statewide

Adoption	Implementation	
20 – 2021	2026	<0.01 benefit in CV
2019	2023	possible small benefit in 2027
2017	2018	<0.01 benefit in CV
2018	2020	<0.01 benefit in CV
2020	2023	<0.01 benefit in CV
2018	2023	<0.01 benefit in CV
18 – 2020	2022	possible small benefit in 2027
by 2020	2023	<0.01 benefit in CV
19 – 2021	2020 +	possible small benefit in 2027

[Redacted]

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	NO _x Emission Reductions (tpd)	VOC Emission
	###	###
	0.6	0.4
	5	-
	0.1	<0.1
	0.4	<0.1
	1	0.1
	<0.1	<0.1
	2	16
	1	NYQ
	0	4-5